Project Design Phase-II
Technology Stack (Architecture & Stack)

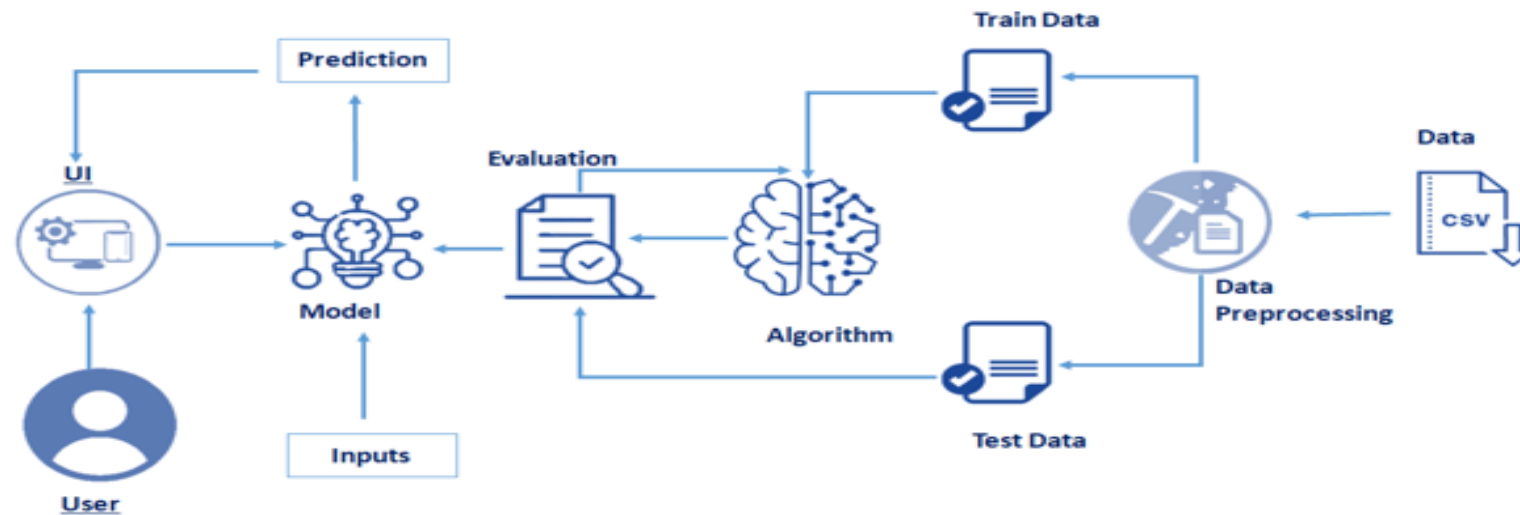| Date	03 October 2022
Team ID	PNT2022TMID34617
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

TECHNOLOGY ARCHITECHTURE:

Table-1 : Components & Technologies

S.No	Component	Description	Technology

1.	User Interface	Front end of Application.	HTML, CSS.
2.	Application Logic-1	Collecting Input from the user	Python
3.	Application Logic-2	Integrating machine learning algorithms	Python
4.	Database	To store user data	MySQL
5.	Cloud Database	Database Service on Cloud	IBM DB2.
6.	Machine Learning Model	Predictive modelling to predict the outcomes based on certain patterns.	Predictive model.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System Using Flask Web Framework	Flask web framework

Table-2: Application Characteristics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask web framework	Framework which is available in Python
2.	Security Implementations	REST,HTTP authentication.	Flask security configuration
3.	Scalable Architecture	Flask is a micro framework which will be pretty adequate and good for machine learning web applications.	Flask
4.	Availability	Allows customization and provides distributed environment	Flask
5.	Performance	Uses Jinja ,a powerful templating tool integrated with flask and flask have a support for secure request dispatching.	Flask